

## ISO ISP Transition Frequently Asked Questions (FAQs) – Updated 12/30/2009

**Q1: *If we use hostnames (such as portal.caiso.com), will that still work? Or will we need to make a change on our end?***

A: Hostnames should always be used, as opposed to using IP addresses directly. If hostnames (and/or URLs) are used, there are no changes that need to be made by the Market Participant as far as the hostname being used. At the time of the transition of any given ISO system, the ISO will make a change in its Domain Name System (DNS) to the affected application/system. Once the DNS is changed, the current hostname/URL will automatically resolve to the new IP address with no hostname change required on the part of the Market Participant. However, firewall rules will still need to be modified to reflect the new IP addresses. Please refer to Q2 & Q11 for further information on that.

**Q2: *Will we need to change any of our firewall rules to be able to communicate with the CAISO?***

A: If you have any firewall rules in place which permits connectivity to the CAISO using the current IP addresses, you will need to ensure the same access is permitted to the new IP addresses. One such application where we anticipate connectivity concerns is ADS. ADS connects to the CAISO on port 447, which is a non-standard port not usually allowed outbound from most organizations.

**Q3: *Will we have the ability to test connectivity to the new IP addresses beforehand, while maintaining our existing production connectivity?***

A: Yes, we will be updating the IP addresses for the Market Sim applications (such as portalmktsim.caiso.com) before production to allow users to verify connectivity.

**Q4: *We use third party software to download data from the CAISO, will we need to change any configuration options?***

A: Please verify with the vendor of this software that the IP address change will not disrupt this application's ability to download data.

**Q5: *Will this affect the ECN ip addresses?***

A: No.

**Q6: *Will this affect the OMAR FTP address changes?***

A: No; OMAR FTP is an ECN service and the ECN IP Address space is not affected by this change; However, OMAR Online (Production and Staging) new IP addresses are on the list provided in the Market Notice.

**Q7: *Will this affect the MNS server IP address changes?***

A; Yes. MNS is an outbound (FROM the ISO, TO the Market Participants) service, and the ISO's source IP address from which MNS is sent will change. The new MNS source IP addresses will be 12.200.60.3 and 12.231.58.3.

**Q8: *Will the old IP addresses be active during the 1 week transition? After the transition?***

A: On the day of transition of each ISO Internet –facing system/application, the ISO will change the DNS entry for the affected hostname/URL. Once the DNS change is made, subsequent queries of the affected hostname/URL will resolve to the new IP address(es). At that point, the

old IP address will no longer be available. The ISO will send out additional notifications with more specific dates and times, approximately

**Q9: Can we move this to the 1st or 2nd week of January. Staff levels are low due to the holiday's and if there are issues, the might not be the appropriate people on site to address them?**

A: Our plan is to begin the system IP address transitions after the New Years holiday, during the first week of January. Additional notifications will be sent, with specific details regarding systems, dates and times, approximately one week prior to the scheduled changes.

**Q10: Will the Secure FTP sites for Settlement data transfer be affected by this change?**

A: Yes. The affected URLs, old IPs and New IPs are as follows:

URL	Old IP	New IP
sfts-ms.caiso.com.	69.25.108.169	12.200.60.169
sfts-ms2.caiso.com.	69.25.108.170	12.200.60.170
sfts.caiso.com.	69.25.108.146	12.200.60.146
sfts.caiso.com.	216.52.249.146	12.231.58.146
sfts2.caiso.com.	216.52.249.147	12.231.58.147
sfts2.caiso.com.	69.25.108.147	12.200.60.147

**Q11: What must be changed from an external perspective?**

A: On the specified list of affected systems, please take into account the new IP addresses on any of the following, but not limited to this list as it depends on what your organization's infrastructure technology business rules are regarding the handling of CAISO IP addresses:

- DNS configurations;
- Firewall rules to access the application user-interface and web services; or
- Software code that contains hard-coded IP addresses

**Q12: Should the ADS Client be re-started?**

A: Yes - we advise that the ADS Client be re-started when the IP address change occurs. For those with existing firewall rules, please note that the new IP addresses will still use the same access port (ie #447).

**Q13: Will there be a downtime expected when the change occurs?**

A: No downtime is expected, but market participants will likely need to log out and log back in to their sessions if they are logged in at the time of the IP change.

**Q14: What applications will be affected with the Secure FTP site IP address changes?**

A: These applications include BAPI, CRN, CRR Load Migration, and the CRR/Full Network Model SFTP sites.

**Q15: What shall we contact during the change, in the event that we encounter an issue?**

A: Please contact the CAISO Help Desk or your Customer Service Representative.

### END ###

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